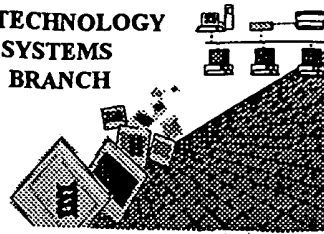


**BEST AVAILABLE COPY**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



1114  
RECEIVED  
FEB 06 2002  
TECH CENTER 1600/2900

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/842,776  
Source: 1602  
Date Processed by STIC: 1/24/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**  
**VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

# BEST AVAILABLE COPY

## Raw Sequence Listing Error Summary

TECH CENTER 1690/2900

FEB 06 2002

RECEIVED

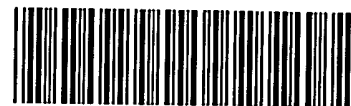
### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 09/842,776

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics  
Wrapped Aminos  
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length  
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino  
Numbering  
The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII  
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length  
Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0  
"bug"  
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences  
(OLD RULES)  
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(ii) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences  
(NEW RULES)  
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 Use of n's or Xaa's  
(NEW RULES)  
Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>  
Response  
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220>  
Response  
Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0  
"bug"  
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n  
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1651

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/842,776

DATE: 01/24/2002

TIME: 11:38:09

Input Set : A:\C1786PCTsequence listing-EN.txt

Output Set: N:\CRF3\01242002\I842776.raw

**Does Not Comply**  
**Corrected Diskette Needed**

3 &lt;110&gt; APPLICANT: CONNEX GMBH

5 &lt;120&gt; TITLE OF INVENTION: New method for detecting acid-resistant microorganisms in the stool

7 &lt;130&gt; FILE REFERENCE: C 1786 PCT

*GL* 9 <140> CURRENT APPLICATION NUMBER: US/09/842,776

*GL* 10 <141> CURRENT FILING DATE: 2001-04-27

12 &lt;160&gt; NUMBER OF SEQ ID NOS: 64

14 &lt;170&gt; SOFTWARE: PatentIn Ver. 2.1

*pg 1-6*

## ERRORED SEQUENCES

1162 &lt;210&gt; SEQ ID NO: 64

1163 &lt;211&gt; LENGTH: 118

1164 &lt;212&gt; TYPE: PRT

1165 &lt;213&gt; ORGANISM: Mus musculus

1167 &lt;400&gt; SEQUENCE: 64

1168 Glu Val Gln Leu Leu Glu Glu Ser Gly Gly Gly Leu Val Lys Pro Gly

1169 1 5 10 15

1171 Gly Ser Leu Gln Leu Ser Cys Ser Ala Ser Gly Phe Thr Phe Ser Ser

1172 20 25 30

1174 His Phe Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp

1175 35 40 45

1177 Val Ala Ser Ile Ser Ser Gly Gly Asp Ser Phe Tyr Pro Asp Ser Leu

1178 50 55 60

1180 Lys Gly Arg Phe Ala Ile Ser Arg Asp Asn Ala Arg Asn Ile Leu Phe

1181 65 70 75 80

1183 Leu Gln Met Ser Ser Leu Arg Ser Glu Asp Ser Ala Met Tyr Phe Cys

1184 85 90 95

1186 Thr Arg Asp Tyr Ser Trp Tyr Ala Leu Asp Tyr Trp Gly Gln Gly Thr

1187 100 105 110

1189 Ser Val Thr Val Ser Ser

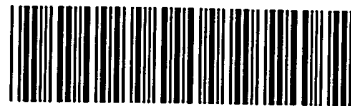
1190 115

E--&gt; 1194 1

E--&gt; 1197 19

*delete*

2



1651

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/842,776

DATE: 02/04/2002

TIME: 20:51:47

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\02042002\I842776.raw

3 <110> APPLICANT: CONNEX GMBH  
5 <120> TITLE OF INVENTION: New method for detecting acid-resistant microorganisms in the stool

7 <130> FILE REFERENCE: C 1786 PCT

C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/842,776

C--> 10 <141> CURRENT FILING DATE: 2001-04-27

12 <160> NUMBER OF SEQ ID NOS: 64

14 <170> SOFTWARE: PatentIn Ver. 2.1

16 <210> SEQ ID NO: 1

17 <211> LENGTH: 10

18 <212> TYPE: PRT

19 <213> ORGANISM: Artificial Sequence

21 <220> FEATURE:

22 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence

24 <400> SEQUENCE: 1

25 Gly Phe Ser Leu Ser Arg Tyr Ser Val His

26 1 5 10

29 <210> SEQ ID NO: 2

30 <211> LENGTH: 16

31 <212> TYPE: PRT

32 <213> ORGANISM: Artificial Sequence

34 <220> FEATURE:

35 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence

37 <400> SEQUENCE: 2

38 Met Ile Trp Gly Gly Gly Ser Thr Asp Tyr Asn Ser Gly Leu Lys Ser

39 1 5 10 15

42 <210> SEQ ID NO: 3

43 <211> LENGTH: 12

44 <212> TYPE: PRT

45 <213> ORGANISM: Artificial Sequence

47 <220> FEATURE:

48 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence

50 <400> SEQUENCE: 3

51 Asn Met Gly Gly Arg Tyr Pro Asp Tyr Phe Asp Tyr

52 1 5 10

55 <210> SEQ ID NO: 4

56 <211> LENGTH: 30

57 <212> TYPE: DNA

58 <213> ORGANISM: Artificial Sequence

60 <220> FEATURE:

61 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence

63 <400> SEQUENCE: 4

64 gggttctcat tatccagata tagtgtacac

67 <210> SEQ ID NO: 5

30

(see item 11 on Ena Summary sheet)

invalid - give source of genetic material

global error

# RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/842,776

DATE: 02/04/2002

TIME: 20:51:47

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\02042002\I842776.raw

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69 <212> TYPE: DNA  
70 <213> ORGANISM: Artificial Sequence  
72 <220> FEATURE:  
73 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
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76 atgatatggg gtggtggaag cacagactat aattcaggtc tcaaattcc 48  
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80 <211> LENGTH: 36  
81 <212> TYPE: DNA  
82 <213> ORGANISM: Artificial Sequence  
84 <220> FEATURE:  
85 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
87 <400> SEQUENCE: 6  
88 aatatggggg gtaggtaccc ggactacttt gactac 36  
91 <210> SEQ ID NO: 7  
92 <211> LENGTH: 15  
93 <212> TYPE: PRT  
94 <213> ORGANISM: Artificial Sequence  
96 <220> FEATURE:  
97 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
99 <400> SEQUENCE: 7  
100 Arg Ala Ser Lys Ser Val Ser Thr Ser Gly Tyr Ser Tyr Ile His  
101 1 5 10 15  
104 <210> SEQ ID NO: 8  
105 <211> LENGTH: 7  
106 <212> TYPE: PRT  
107 <213> ORGANISM: Artificial Sequence  
109 <220> FEATURE:  
110 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
112 <400> SEQUENCE: 8  
113 Leu Ala Ser Asn Leu Glu Ser  
114 1 5  
117 <210> SEQ ID NO: 9  
118 <211> LENGTH: 9  
119 <212> TYPE: PRT  
120 <213> ORGANISM: Artificial Sequence  
122 <220> FEATURE:  
123 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
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126 Gln His Ser Arg Glu Leu Pro Leu Thr  
127 1 5  
130 <210> SEQ ID NO: 10  
131 <211> LENGTH: 45  
132 <212> TYPE: DNA  
133 <213> ORGANISM: Artificial Sequence  
135 <220> FEATURE:  
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
138 <400> SEQUENCE: 10

4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/842,776

DATE: 02/04/2002

TIME: 20:51:47

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\02042002\I842776.raw

139 agggccagca agagtgtcag tacatctggc tatagttaca tacac 45  
142 <210> SEQ ID NO: 11  
143 <211> LENGTH: 21  
144 <212> TYPE: DNA  
145 <213> ORGANISM: Artificial Sequence  
147 <220> FEATURE:  
148 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
150 <400> SEQUENCE: 11  
151 cttgcatcca acctagaatc t 21  
154 <210> SEQ ID NO: 12  
155 <211> LENGTH: 27  
156 <212> TYPE: DNA  
157 <213> ORGANISM: Artificial Sequence  
159 <220> FEATURE:  
160 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
162 <400> SEQUENCE: 12  
163 cagcacagta gggagcttcc gctcacg 27  
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167 <211> LENGTH: 10  
168 <212> TYPE: PRT  
169 <213> ORGANISM: Artificial Sequence  
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174 <400> SEQUENCE: 13  
175 Gly Phe Thr Phe Asn Ser Tyr Ala Met Tyr  
176 1 5 10  
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180 <211> LENGTH: 19  
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185 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
187 <400> SEQUENCE: 14  
188 Arg Ile Arg Ser Lys Ser Asp Asn Tyr Ala Thr Tyr Tyr Ala Asn Ser  
189 1 5 10 15  
191 Val Lys Asp  
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196 <211> LENGTH: 13  
197 <212> TYPE: PRT  
198 <213> ORGANISM: Artificial Sequence  
200 <220> FEATURE:  
201 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
203 <400> SEQUENCE: 15  
204 Asp His Asp Lys Phe Pro Phe Tyr Tyr Ala Leu Asp Tyr  
205 1 5 10  
208 <210> SEQ ID NO: 16  
209 <211> LENGTH: 30  
210 <212> TYPE: DNA  
211 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/842,776

DATE: 02/04/2002  
TIME: 20:51:47

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\02042002\I842776.raw

213 <220> FEATURE:  
214 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
216 <400> SEQUENCE: 16  
217 ggtttcacct tcaattccta tgccatgtac 30  
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222 <212> TYPE: DNA  
223 <213> ORGANISM: Artificial Sequence  
225 <220> FEATURE:  
226 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
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229 cgcataagaa gtaaaagtga taattatgca acatattatg ccaattcagt gaaagac 57  
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233 <211> LENGTH: 39  
234 <212> TYPE: DNA  
235 <213> ORGANISM: Artificial Sequence  
237 <220> FEATURE:  
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
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241 gatcatgata agtttccttt ttactatgct ctggactac 39  
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245 <211> LENGTH: 12  
246 <212> TYPE: PRT  
247 <213> ORGANISM: Artificial Sequence  
249 <220> FEATURE:  
250 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
252 <400> SEQUENCE: 19  
253 Thr Ala Ser Ser Ser Val Ser Ser Ser Tyr Leu His  
254 1 5 10  
257 <210> SEQ ID NO: 20  
258 <211> LENGTH: 7  
259 <212> TYPE: PRT  
260 <213> ORGANISM: Artificial Sequence  
262 <220> FEATURE:  
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
265 <400> SEQUENCE: 20  
266 Ser Thr Ser Asn Leu Ala Ser  
267 1 5  
270 <210> SEQ ID NO: 21  
271 <211> LENGTH: 9  
272 <212> TYPE: PRT  
273 <213> ORGANISM: Artificial Sequence  
275 <220> FEATURE:  
276 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
278 <400> SEQUENCE: 21  
279 His Gln Tyr His Arg Ser Pro Pro Thr  
280 1 5  
283 <210> SEQ ID NO: 22  
284 <211> LENGTH: 36

6

# RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/842,776

DATE: 02/04/2002

TIME: 20:51:47

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\02042002\I842776.raw

285 <212> TYPE: DNA  
 286 <213> ORGANISM: Artificial Sequence  
 288 <220> FEATURE:  
 289 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
 291 <400> SEQUENCE: 22  
 292 actgccagct caagtgtgag ttccagttac ttgcac 36  
 295 <210> SEQ ID NO: 23  
 296 <211> LENGTH: 21  
 297 <212> TYPE: DNA  
 298 <213> ORGANISM: Artificial Sequence  
 300 <220> FEATURE:  
 301 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
 303 <400> SEQUENCE: 23  
 304 agcacttcca acctggcttc t 21  
 307 <210> SEQ ID NO: 24  
 308 <211> LENGTH: 27  
 309 <212> TYPE: DNA  
 310 <213> ORGANISM: Artificial Sequence  
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 315 <400> SEQUENCE: 24  
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 319 <210> SEQ ID NO: 25  
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 321 <212> TYPE: PRT  
 322 <213> ORGANISM: Artificial Sequence  
 324 <220> FEATURE:  
 325 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
 327 <400> SEQUENCE: 25  
 328 Gly Phe Thr Phe Ser Ser His Phe Met Ser  
 329 1 5 10  
 332 <210> SEQ ID NO: 26  
 333 <211> LENGTH: 16  
 334 <212> TYPE: PRT  
 335 <213> ORGANISM: Artificial Sequence  
 337 <220> FEATURE:  
 338 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
 340 <400> SEQUENCE: 26  
 341 Ser Ile Ser Ser Gly Gly Asp Ser Phe Tyr Pro Asp Ser Leu Lys Gly  
 342 1 5 10 15  
 345 <210> SEQ ID NO: 27  
 346 <211> LENGTH: 9  
 347 <212> TYPE: PRT  
 348 <213> ORGANISM: Artificial Sequence  
 350 <220> FEATURE:  
 351 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial Sequence  
 353 <400> SEQUENCE: 27  
 354 Asp Tyr Ser Trp Tyr Ala Leu Asp Tyr  
 355 1 5

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.